CLAIMS

1. A method for calibrating color of an image in transmission between a pair of computer image processing systems A and B, comprising:

a preparatory operation for selecting a correction value for applying a color matching operation by either one of said computer image processing systems A and B based upon a common standard color image, and

a color matching operation applied to a digital image displayed on a monitor of either one of said systems A and B to create a condition of substantial coincidence of a color thereof with a color of an original image, by adopting said correction value.

2. A method for calibrating color of an image in transmission between a pair of computer image processing systems A and B, according to claim 1,

said preparatory operation further comprising:

an operation of making an action program by adopting said correction value to carry out said color matching operation without adjusting respective color data separately by a manual operation, and said color matching operation being carried out by adopting said action program to said color matching operation.

3. A method for calibrating color of an image in transmission between a pair of computer image processing systems A and B according to claim 1, wherein said common standard color image is a RGB standard color image.

4. A method for calibrating color of an image in transmission between a pair of computer image processing systems A and B according to claim 1, comprising:

preparation of a common standard color image Z for said systems in advance to said preparatory operation, said preparatory operation comprising:

transferring said color image Z from said system A to said system B whereby a digital image Z_1 is displayed on the monitor of said system B,

carrying out a color matching operation applied to said digital image Z_1 by a manual operation of adjusting color data displayed on said monitor so that a modified digital image Z_2 having a color substantially coincident with a color of said image Z is displayed on said monitor of said system B,

reading color data deviated from an origin (zero point) of color data displayed on said monitor and setting the read data as a correction value α applied to said color matching operation for correcting color of any digital image made by operations identical to successive operations applied to display said digital image Z_2 on said monitor of said system B,

said color matching operation comprising:

transferring an original image X from said system A to said system B whereby a digital image X_1 is displayed on the monitor of said system B, and

carrying out said color matching operation applied to said digital image X_1 by adopting said correction value α so that a modified digital image X_2 having a color substantially coincident with the color of the original image X is displayed on the monitor of the system B.

5. A method for calibrating color of an image in transmission between a pair of computer image processing systems A and B according to claim 4, further comprising:

a color matching operation applied to the system A, comprising:

an additional operation for setting a correction value for applying a digital image X_3 displayed on the monitor of said system A created by a scanning operation, applied to said original image X, comprising:

firstly scanning said color image Z whereby a image Z_3 is displayed on the monitor of said system A,

carrying out a color matching operation applied to said digital image Z_3 by a manual operation of adjusting color data displayed on said monitor so that a color of said digital image Z_3 becomes substantially coincident with a color of said color image Z,

thereafter reading color data deviated from an origin (zero point) of color data displayed on the monitor of said system A, and setting the read data as a correction value β applied to said color matching operation applied to a digital image displayed on the monitor of said system A, created by applying the same operation as the operation applied to said digital image Z,

a color matching operation being applied to said digital image X_3 by adopting said correction value β whereby a modified digital image X_4 having a color substantially identical to a color of said original image X is displayed on said monitor of said system A.

6. A method for calibrating color of an image in transmission between a pair of computer image processing systems A and B according to claim 1, comprising:

preparation of a common standard color image Z for said systems A and B in advance, said preparatory operation comprising:

scanning said standard color image Z by a scanner of said system A whereby a digital image Z_3 is displayed on the monitor of said system A,

carrying out a color matching operation applied to said digital image Z_3 by a manual operation of adjusting color data displayed on said monitor so that a modified digital image Z_4 having a color substantially coincident with a color of said color image Z is displayed on said monitor,

transmission of said digital image Z_4 to said system B whereby a digital image Z_5 is displayed on the monitor of said system B,

carrying out a color matching operation applied to said digital image Z_5 by a manual operation of adjusting color data displayed on said monitor of said system B so that a color of said digital image Z_5 is changed to a condition substantially identical to a color of said standard image Z,

reading color data deviated from an origin (zero point) of color data displayed on said monitor and setting the read data as a correction value γ, said correction value being applied to a color matching operation for adjusting a digital image made by successive operations identical to successive operations to display said digital image Z_5 on said monitor of said system B, and said color matching operation comprising:

when a color matching operation is required to apply a digital image X_5 made from an original image X by successive operations identical to the successive operations to display said digital image Z_5 on said monitor of said system B, carrying out said color matching operation on said digital image X_5 by adopting said correction value γ, whereby a modified digital image X_6 having a substantially identical color to said original image X is displayed on said monitor of said system B.

7. A method for calibrating color of an image in transmission between a pair of computer image processing systems A and B according to claims 4 and 6, further comprising,

creation of a new digital image X_7 from said digital image X_2 by applying a conventional method to modify either one or both of image components and color of said digital image X_2 displayed on said monitor of system B,

a preparatory operation to modify color of said digital image X_7 by adopting a correction value being identical to $(-\gamma)$, whereby a modified digital image

X_8 is displayed on said monitor of system B,

transferring said digital image X_8 from said system B to system A by an MO disc, whereby a digital image X_9 is displayed on said monitor of system A in a condition having substantially identical color to said digital image X_7.